

MORE PRACTICE!

Hint: if it has to be plugged in, it starts with electrical!

1. Picture: Car driving down the road

What energy conversion is happening?

- A. Chemical → Mechanical, Sound, and Heat
- B. Electrical → Chemical and Heat
- C. Mechanical → Chemical and Light
- D. Light → Kinetic and Heat

2. Picture: Toaster

What energy conversion is taking place?

- A. Chemical → Electrical and Heat
- B. Electrical → Heat and Light
- C. Heat → Electrical and Chemical
- D. Mechanical → Sound and Kinetic

3. Picture: Solar panels on a house

What energy conversion is taking place?

- A. Electrical → Thermal
- B. Light → Electrical
- C. Chemical → Light
- D. Sound → Electrical

4. Picture: Person riding a bicycle

What energy conversion is happening?

- A. Mechanical → Chemical
- B. Chemical (from food) → Mechanical and Heat
- C. Electrical → Mechanical
- D. Light → Mechanical

5. Picture: Flashlight turned on

What energy conversion is taking place?

- A. Electrical → Light and Heat
- B. Mechanical → Chemical
- C. Chemical → Sound
- D. Light → Electrical

6. Picture: Speaker playing music

What energy conversion is taking place?

- A. Electrical → Sound
- B. Sound → Electrical
- C. Light → Mechanical
- D. Mechanical → Chemical

7. Picture: Burning campfire

What energy conversion is happening?

- A. Chemical → Light and Heat
- B. Electrical → Sound and Heat
- C. Mechanical → Light and Sound
- D. Sound → Chemical

8. Picture: Wind turbine

What energy conversion is taking place?

- A. Electrical → Mechanical
- B. Chemical → Sound
- C. Mechanical (wind) → Electrical
- D. Light → Chemical

9. Picture: Microwave oven

What energy conversion is taking place?

- A. Electrical → Electromagnetic (microwaves) → Heat
- B. Chemical → Mechanical
- C. Light → Heat
- D. Sound → Mechanical

10. Picture: Battery-powered remote control

What energy conversion is happening?

- A. Chemical → Electrical
- B. Electrical → Light and Heat
- C. Light → Electrical
- D. Heat → Chemical